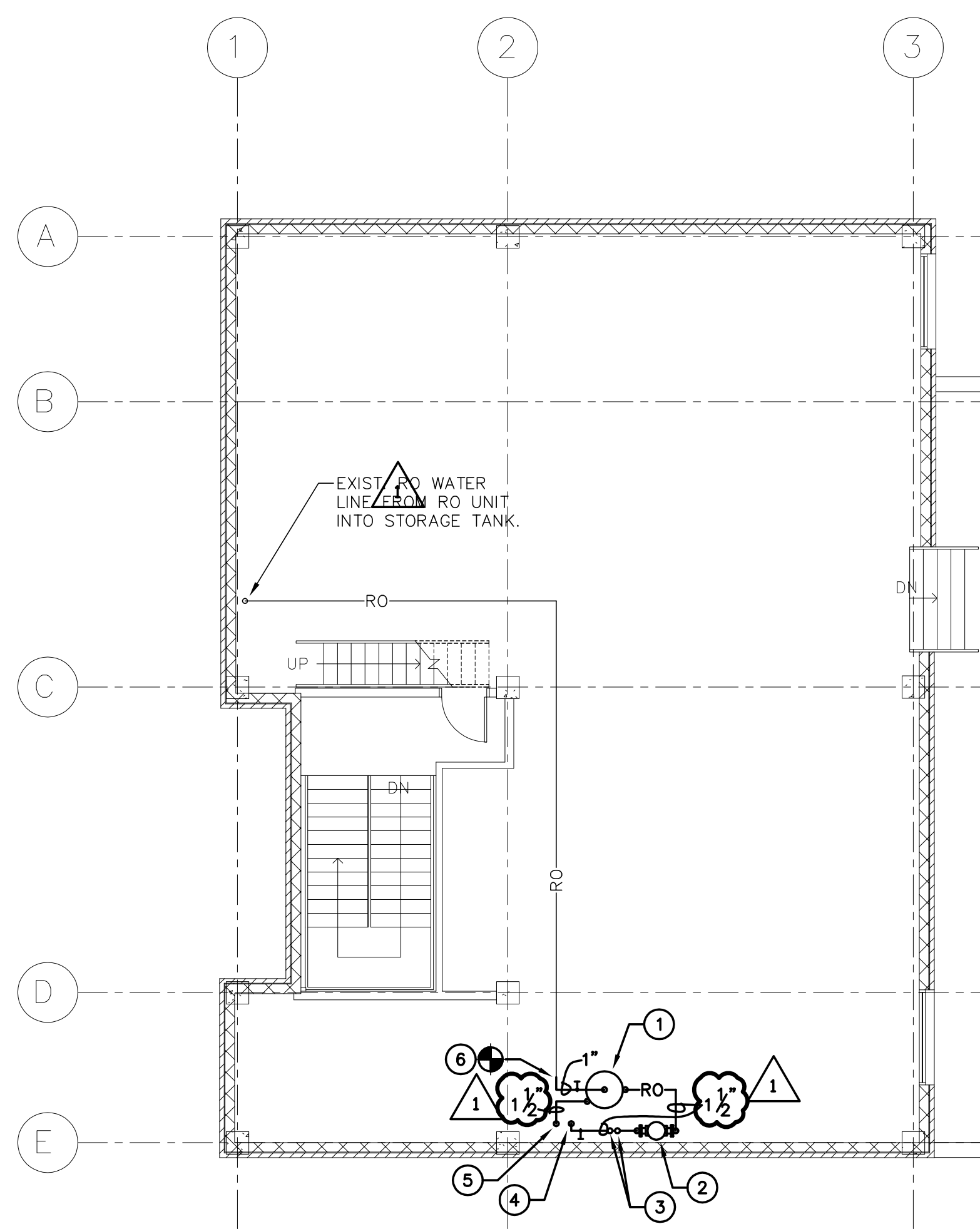
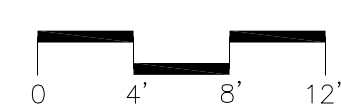
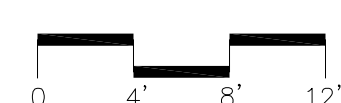


PLUMBING - DEMOLITION
PENTHOUSE FLOOR PLAN



PLUMBING - NEW WORK
PENTHOUSE FLOOR PLAN



○ DEMO PENTHOUSE KEY NOTES

- 1 DEMOLISH EXISTING RO STORAGE TANKS FOR THE PURPOSE OF REPLACEMENT. REFER TO PENTHOUSE NEW PLAN AND KEYNOTES THIS SHEET FOR ADDITIONAL INFORMATION.
- 2 DEMOLISH EXISTING 1-1/4" RO SUPPLY LINE OUT TO SERVE LAB FLOORS FOR THE PURPOSE OF ROUTING NEW RECIRCULATED RO LOOP OUT TO SERVE LAB FLOORS. REFER TO PENTHOUSE NEW WORK PLAN, KEYNOTES, AND RO RISER SCHEMATIC THIS SHEET FOR ADDITIONAL INFORMATION.
- 3 DEMOLISH EXISTING RO PIPING AS SHOWN.

**** APPLIES TO THIS SHEET ONLY ****

○ SCHEMATIC KEY NOTES

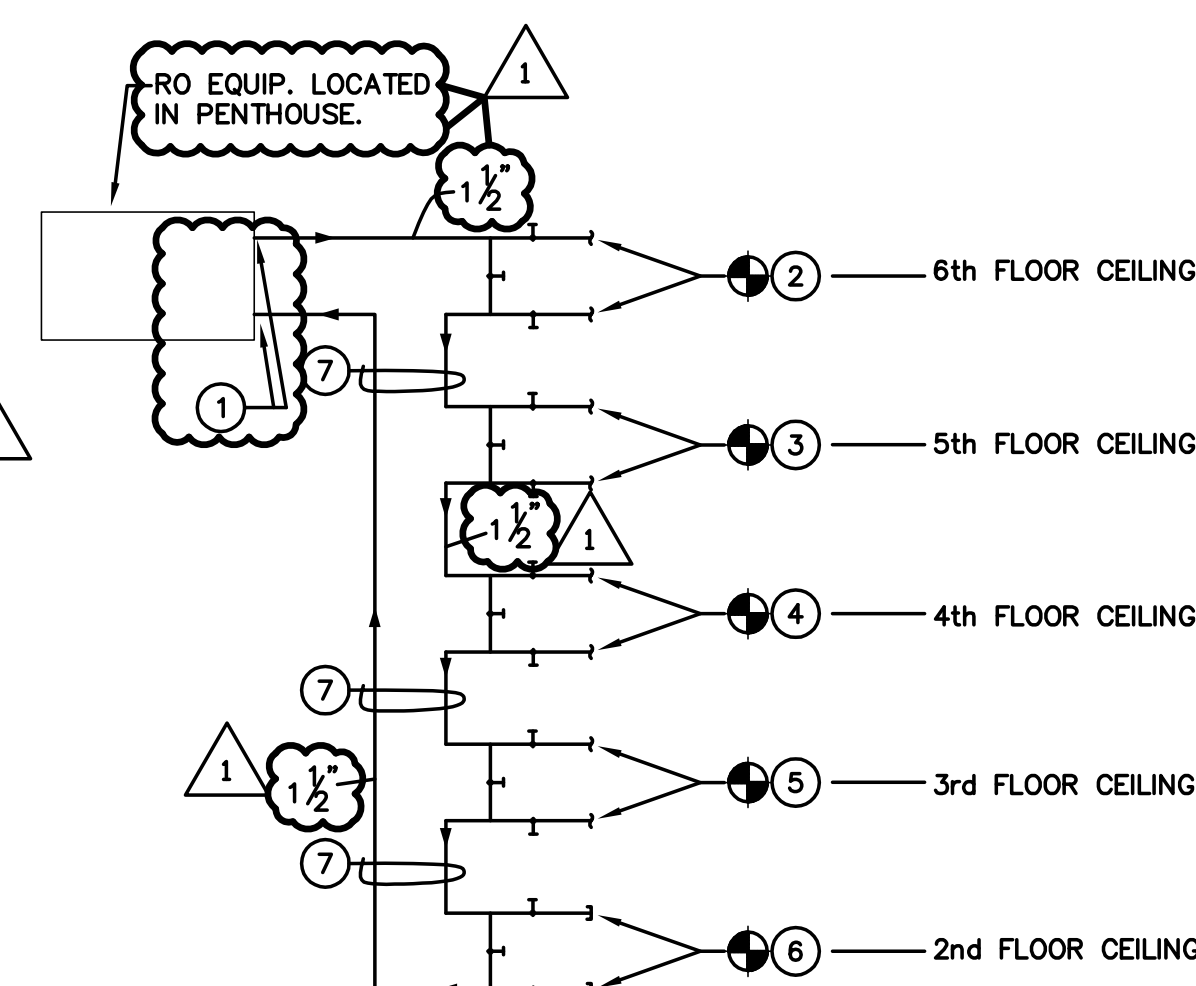
- 1 NEW 1-1/2" RO SUPPLY AND RETURN FROM EQUIPMENT IN PENTHOUSE. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.
- 2 CONNECT NEW 1-1/2" RO LOOP TO EXISTING RO FAUCET LOCATED ON SIXTH FLOOR. REFER TO FLOOR PLANS FOR ADDITIONAL INFORMATION.
- 3 CONNECT NEW 1-1/2" RO LOOP TO EXISTING 1-1/2" RO LOOP INSTALLED UNDER PHASE 1 CONSTRUCTION. CONTRACTOR TO COORDINATE WITH VA AND 5TH FLOOR USERS THE EXACT ARRANGEMENT OF SHUT DOWN IN ORDER TO CONNECT NEW LOOP TO EXISTING FLOOR LOOP.
- 4 CONNECT NEW 1-1/2" RO LOOP TO EXISTING 1-1/2" RO LOOP INSTALLED UNDER PHASE 2 CONSTRUCTION. CONTRACTOR TO COORDINATE WITH VA AND 4TH FLOOR USERS THE EXACT ARRANGEMENT OF SHUT DOWN IN ORDER TO CONNECT NEW LOOP TO EXISTING FLOOR LOOP.
- 5 REFER TO SHEET 1-PL3.03-357 FOR CONTINUATION OF LOOP.
- 6 VALVE AND CAP NEW 1-1/2" RO LOOP AS SHOWN FOR FUTURE CONNECTION.
- 7 NEW RO LOOP TO BE ROUTED DOWN AND UP THROUGH EXISTING MECHANICAL CHASE. REFER TO SHEET 1-PL3.03-357 FOR EXACT LOCATION OF MECHANICAL CHASE.

**** APPLIES TO THIS SHEET ONLY ****

○ DEMO 6TH FLOOR KEY NOTES

- 1 DEMOLISH EXISTING CARBON AND SOFTENER CYLINDERS FOR THE PURPOSE OF REPLACEMENT. REFER TO SIXTH FLOOR NEW WORK PLAN AND KEYNOTES THIS SHEET FOR ADDITIONAL INFORMATION.
- 2 DEMOLISH EXISTING BRINE TANK FOR THE PURPOSE OF REPLACEMENT. REFER TO SIXTH FLOOR NEW WORK PLAN AND KEYNOTES THIS SHEET FOR ADDITIONAL INFORMATION.
- 3 DEMOLISH EXISTING RO LINE DOWN FROM STORAGE TANK IN PENTHOUSE.
- 4 EXISTING RO LINE DOWNSTREAM OF RO UNIT AND UP TO STORAGE TANK IN PENTHOUSE TO BE MAINTAINED.
- 5 DEMOLISH EXISTING RO LINE UP TO PENTHOUSE AND OUT TO SERVE LAB FLOORS.
- 6 DEMOLISH EXISTING RO WATER LINE OVER EXISTING PROCEDURAL ROOM AND TESTING ROOM TO OVER TESTING ROOM AND CAP EXISTING LINE.
- 7 DEMOLISH EXISTING VERTICAL RO WATER PIPING LOCATED IN WALL SERVING EXISTING RO FAUCET.

**** APPLIES TO THIS SHEET ONLY ****



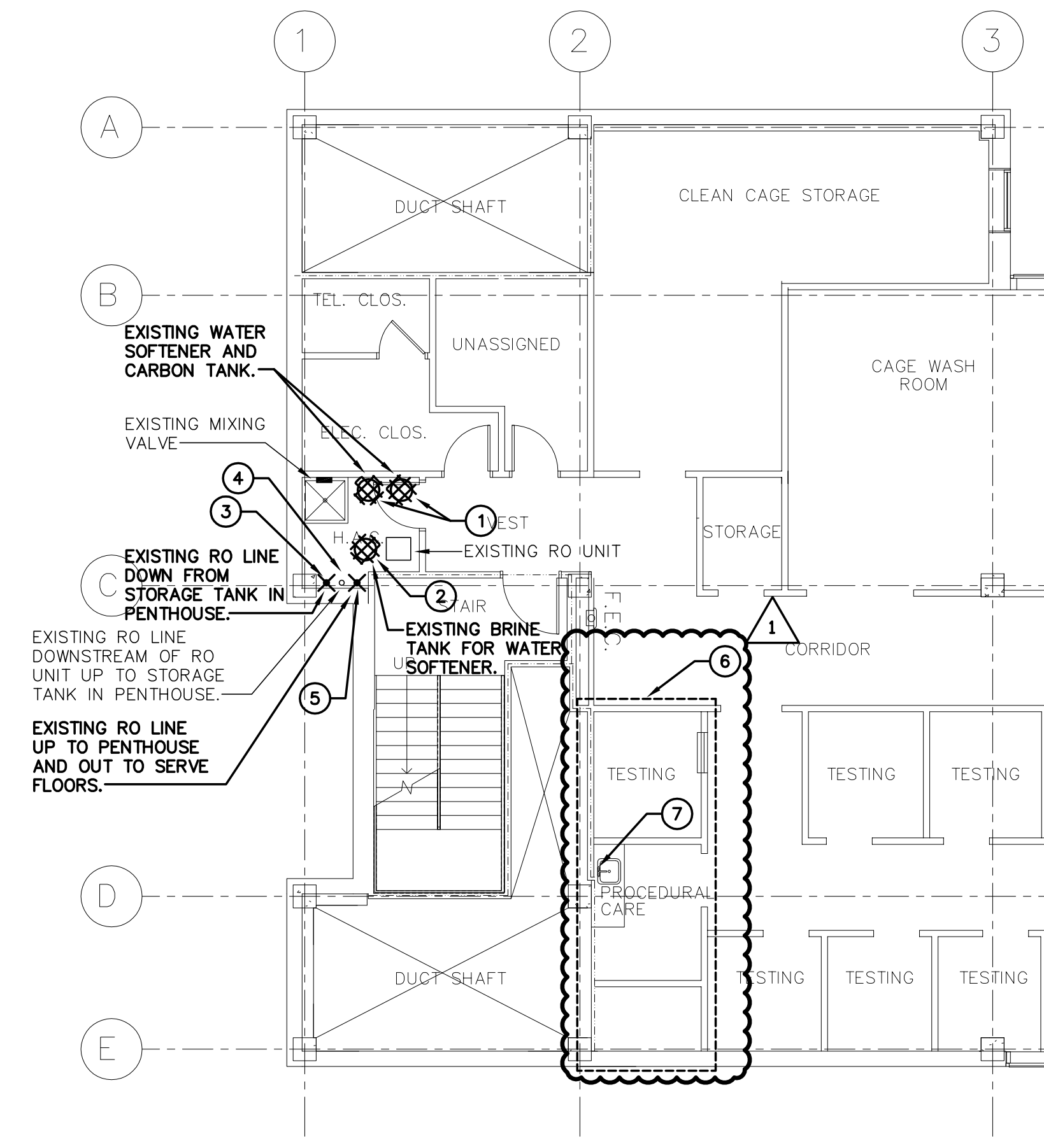
RO RISER SCHEMATIC

NO SCALE

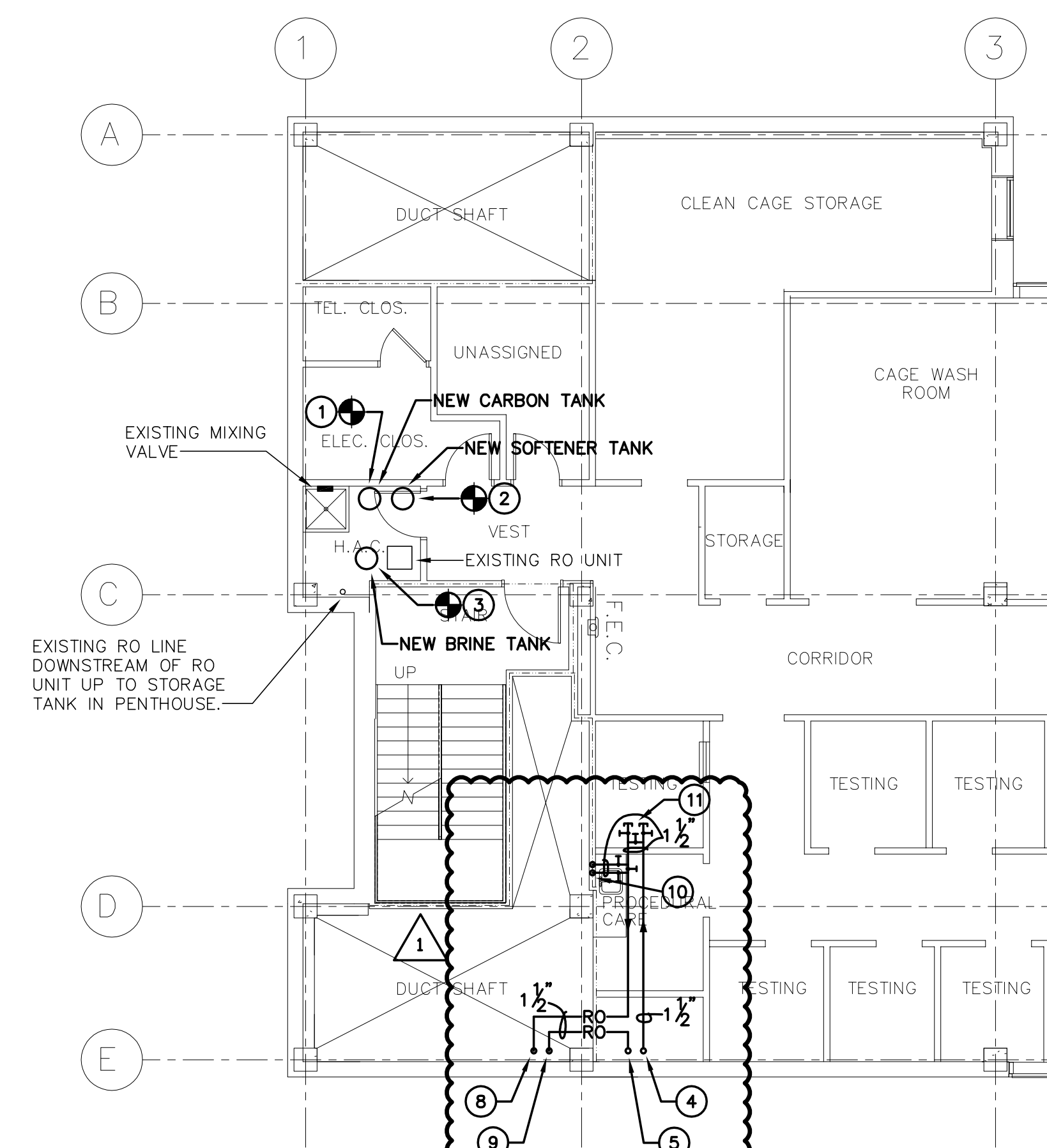
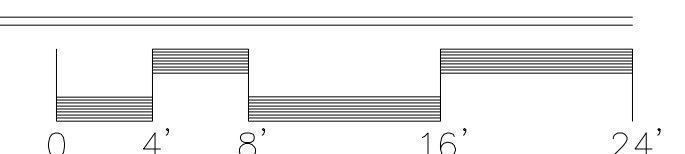
○ NEW WORK 6TH FLOOR KEY NOTES

- 1 INSTALL NEW SIMPLEX CARBON TANK SIMILAR TO SEIMENS W3T85576, 18" DIAMETER BY 65" FIBERGLASS VESSEL. 6cf OF ACID WASHED ACTIVATED CARBON WITH .8cf QUARTZ SUPPORTED BED. CONNECT NEW TANK TO EXISTING PIPING THAT SERVED EXISTING CARBON TANK.
- 2 INSTALL NEW SIMPLEX SOFTNER TANK SIMILAR TO SEIMENS W3T85695, 16" DIAMETER BY 65" NON-CODE FRP PRESSURE VESSEL. 4cf STRONG ACID CATION RESIN WITH .55cf QUARTZ SUPPORT BED. CONNECT NEW TANK TO EXISTING PIPING THAT SERVED EXISTING SOFTENER TANK.
- 3 INSTALL NEW BRINE TANK FOR SOFTENER SYSTEM SIMILAR TO SEIMENS PE BRINE TANK. CONNECT BRINE TANK TO EXISTING SERVICES THAT PREVIOUSLY SERVED BRINE TANK.
- 4 NEW 1-1/2" RO SUPPLY LINE UP TO PENTHOUSE.
- 5 NEW 1-1/2" RO RETURN LINE UP TO PENTHOUSE.
- 6 NEW 1-1/2" RO LOOP DOWN IN EXISTING WALL TO SERVE EXISTING RO FAUCET IN PROCEDURAL CARE ROOM. ROUTE NEW 1/2" RO LINE FROM RO LOOP IN WALL TO SERVE EXISTING RO FAUCET.
- 7 VALVE AND CAP 1-1/2" RO LOOP FOR POSSIBLE FUTURE CONNECTION.
- 8 NEW 1-1/2" RO SUPPLY LINE DOWN TO SERVE LOWER LAB FLOORS. REFER TO RO RISER SCHEMATIC THIS SHEET AND SHEET 1-PL3.03-357 FOR CONTINUATION OF LINE.
- 9 NEW 1-1/2" RO RETURN LINE DOWN TO SERVE LOWER LAB FLOORS. REFER TO RO RISER SCHEMATIC THIS SHEET AND SHEET 1-PL3.03-357 FOR CONTINUATION OF LINE.

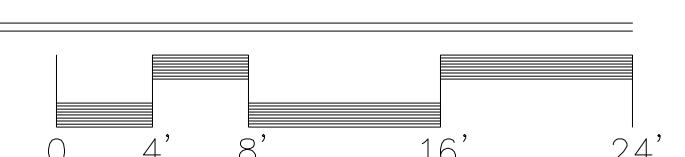
**** APPLIES TO THIS SHEET ONLY ****



PLUMBING - DEMOLITION
PARTIAL SIXTH FLOOR PLAN



PLUMBING - NEW WORK
PARTIAL SIXTH FLOOR PLAN



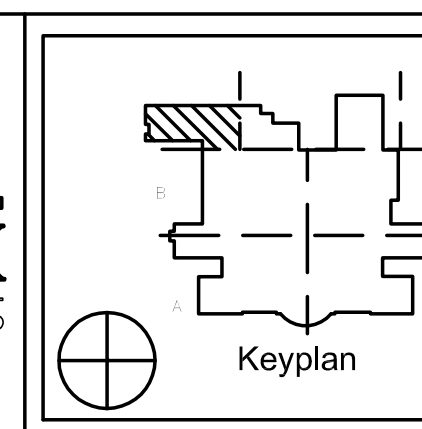
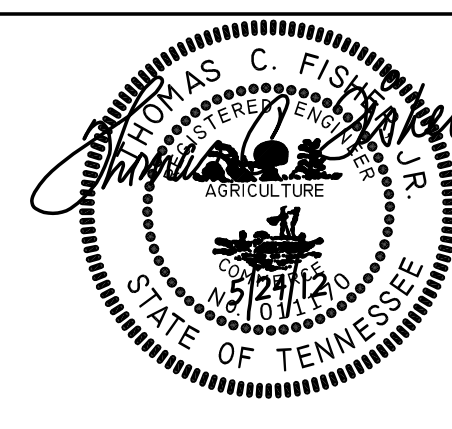
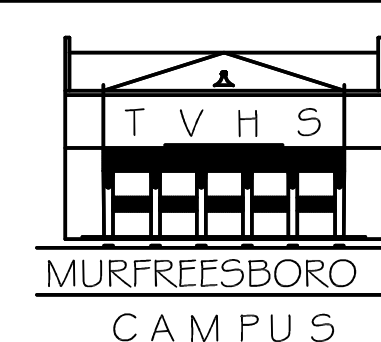
NOTE:
ALL WORK SHOWN ON THIS PLAN IS TO BE PRICED AS PART OF DEDUCTIVE ALTERNATE NO. 3.

FULLY SPRINKLERED

Revisions	Date
1 AMENDMENT #4	5/24/12



Tennessee Valley Healthcare System



Project Title	VA Renovation Research Lab Phase 3
Drawing Title	EQUIP. REPLACEMENT FOR RO SYSTEM DEMO/NEW WORK PLANS
Prepared By	
Approved By	
Building Number	
Floor	
Checked By	TGC
Drawn By	TGC

Date	3-5-2012
Project No.	626-11-101
Drawing No.	1-PL5.02-357
Drawn	66
Of	92

Department of
Veterans Affairs